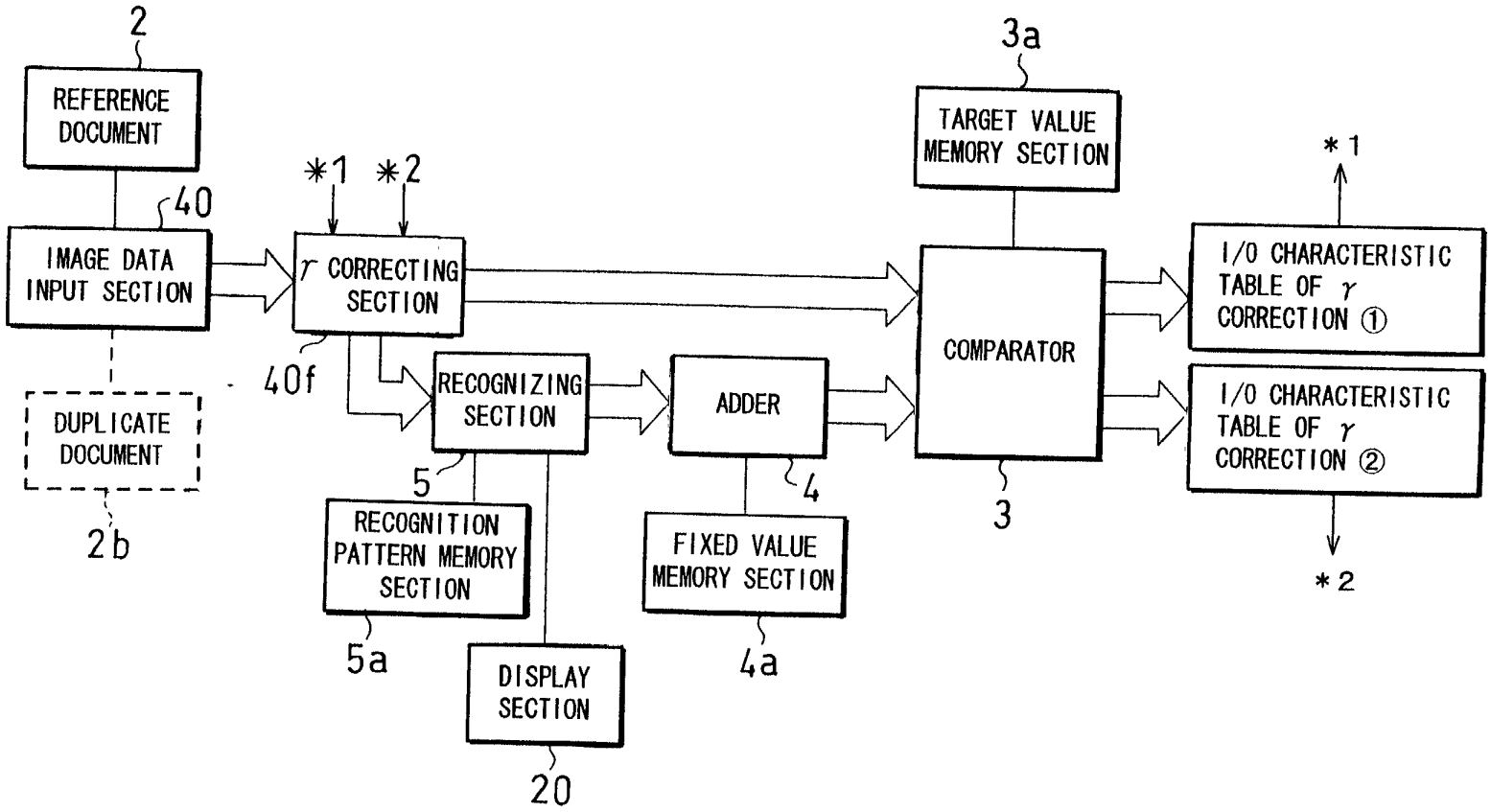
Toshiba 8184860

FIG. 1



T0m250" 8T8h9860

FIG. 2

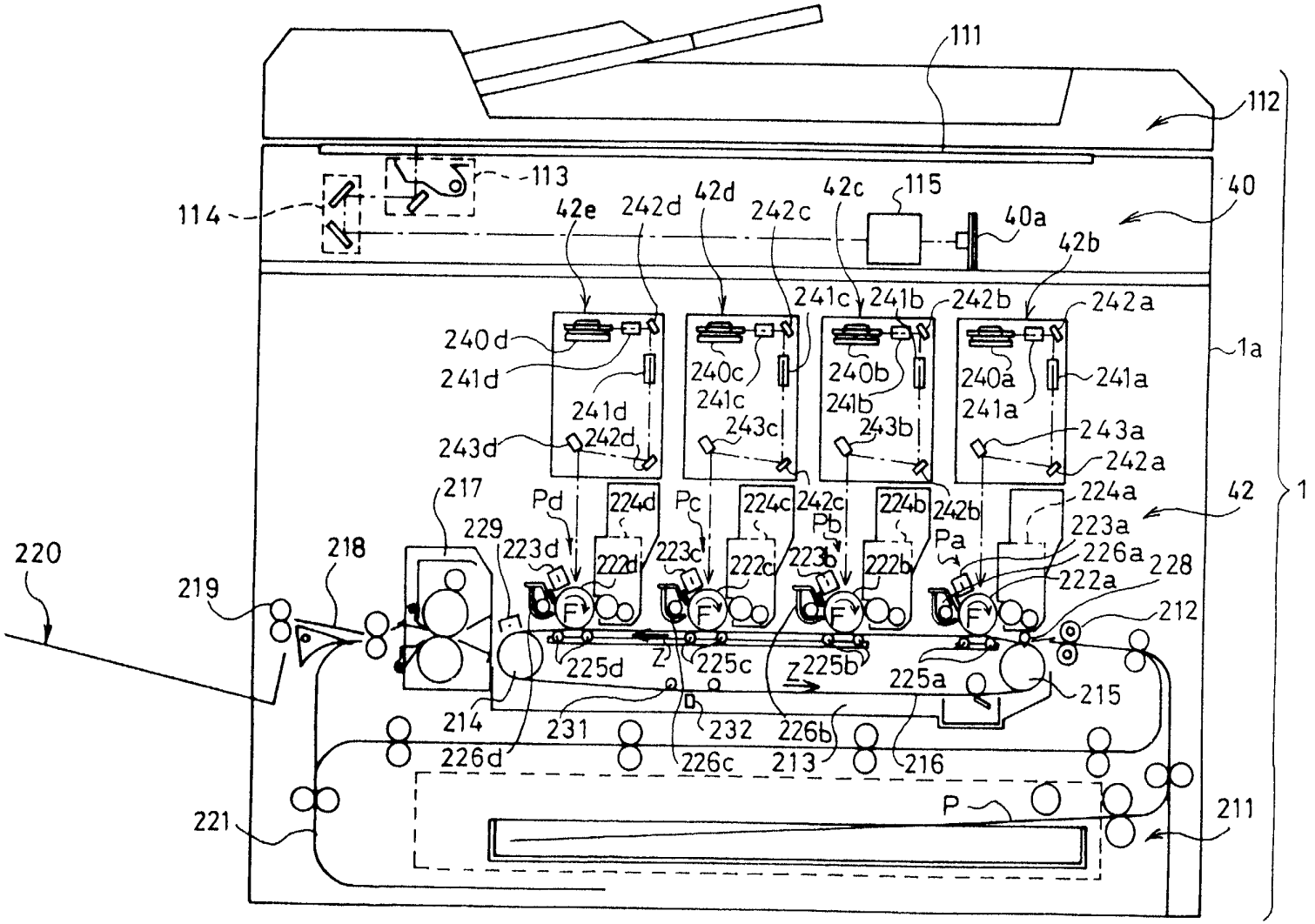


FIG. 3

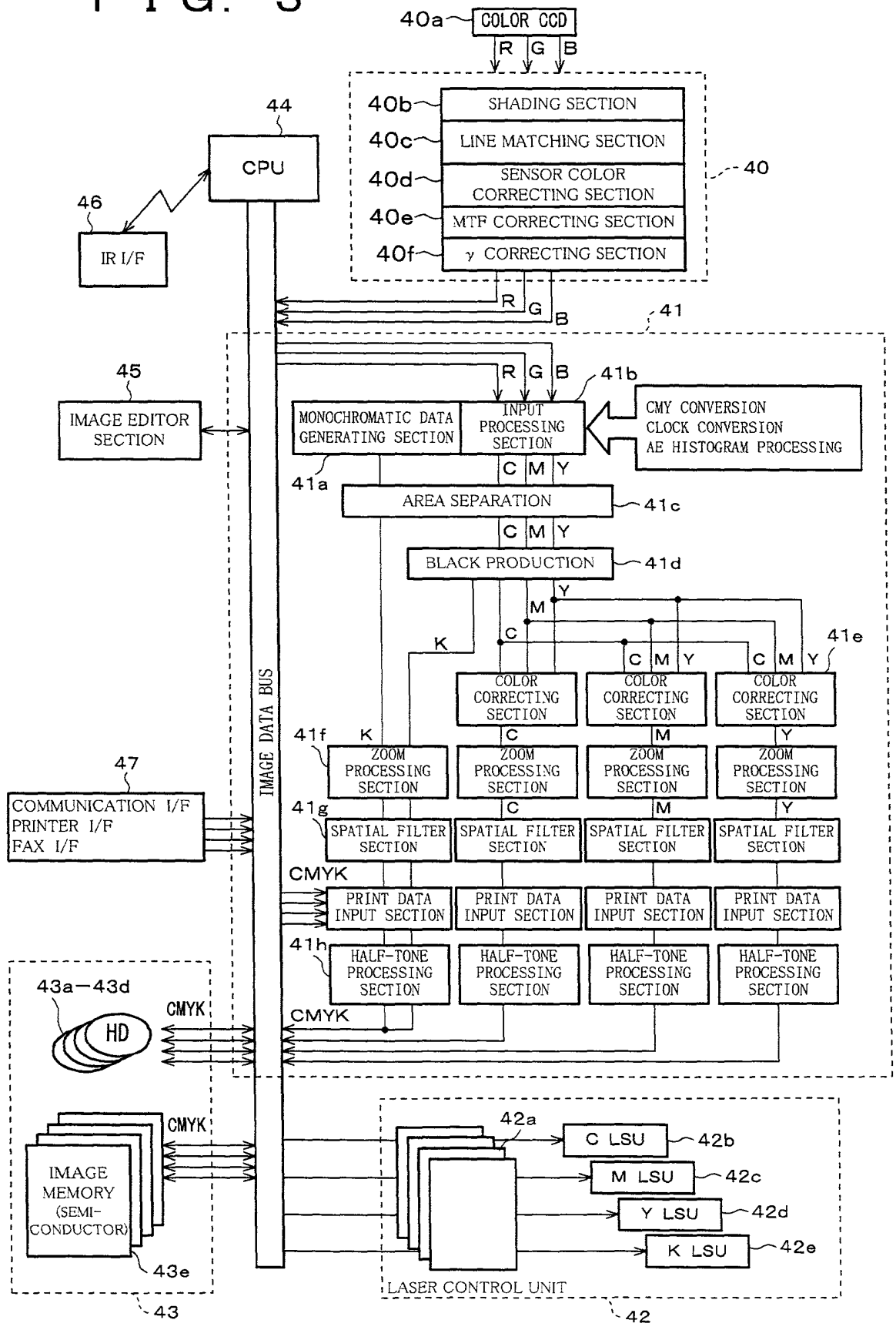

40a
COLOR CCD
R G B
40
40b
SHADING SECTION
40c
LINE MATCHING SECTION
40d
SENSOR COLOR CORRECTING SECTION
40e
MTF CORRECTING SECTION
40f
γ CORRECTING SECTION
44
CPU
46
IR I/F
41
45
IMAGE EDITOR SECTION
41b
MONOCHROMATIC DATA GENERATING SECTION
INPUT PROCESSING SECTION
CMY CONVERSION
CLOCK CONVERSION
AE HISTOGRAM PROCESSING
41a
AREA SEPARATION
41c
BLACK PRODUCTION
41d
41e
COLOR CORRECTING SECTION
41f
ZOOM PROCESSING SECTION
41g
SPATIAL FILTER SECTION
CMYK
PRINT DATA INPUT SECTION
41h
HALF-TONE PROCESSING SECTION
47
COMMUNICATION I/F
PRINTER I/F
FAX I/F
IMAGE DATA BUS
43a—43d
HD
IMAGE MEMORY (SEMI-CONDUCTOR)
43e
43
42a
C LSU
42b
M LSU
42c
Y LSU
42d
K LSU
42e
LASER CONTROL UNIT
42

FIG. 4

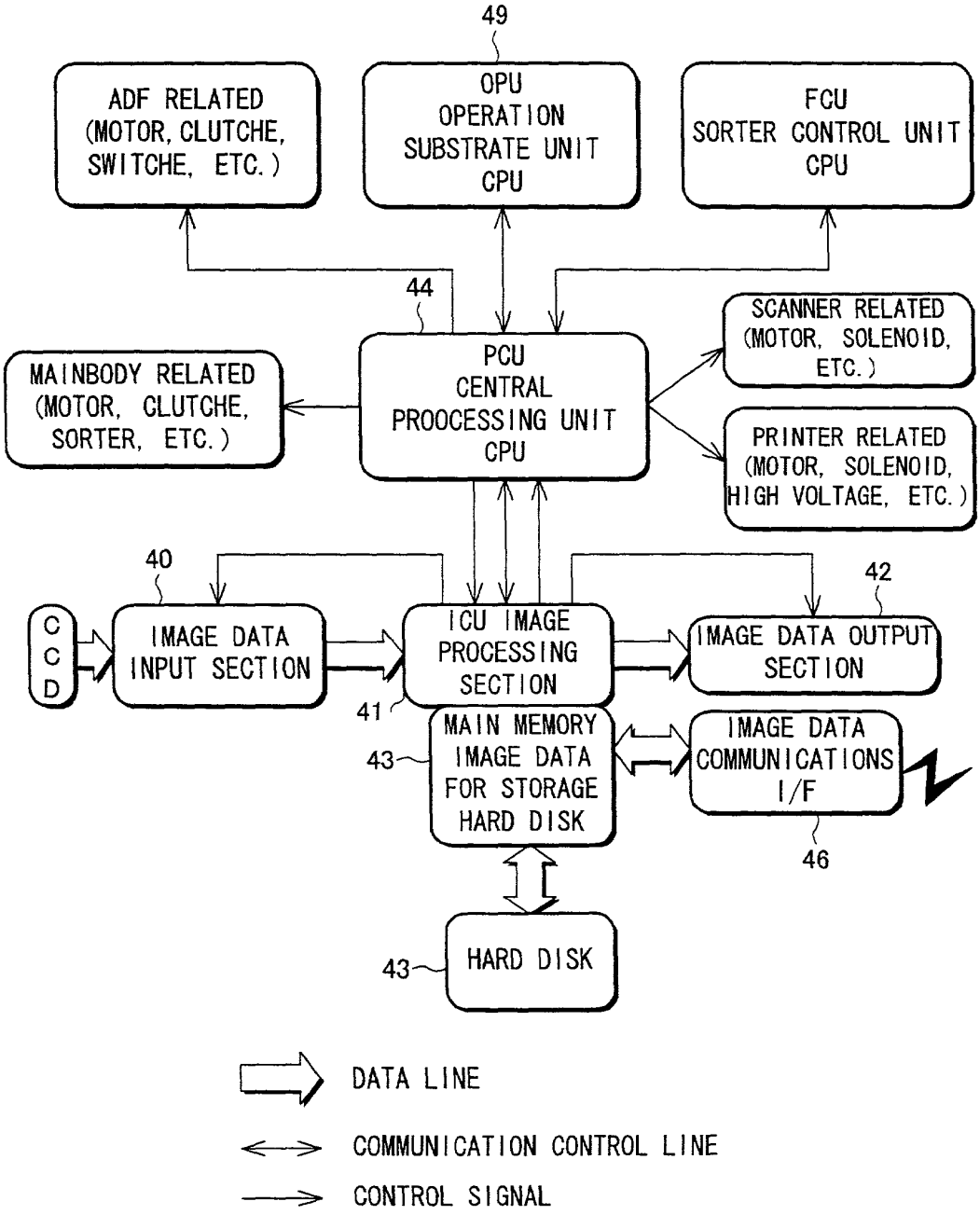

49
ADF RELATED (MOTOR, CLUTCHE, SWITCHE, ETC.)
OPU OPERATION SUBSTRATE UNIT CPU
FCU SORTER CONTROL UNIT CPU
44
SCANNER RELATED (MOTOR, SOLENOID, ETC.)
MAINBODY RELATED (MOTOR, CLUTCHE, SORTER, ETC.)
PCU CENTRAL PROOCESSING UNIT CPU
PRINTER RELATED (MOTOR, SOLENOID, HIGH VOLTAGE, ETC.)
40
42
C C D
IMAGE DATA INPUT SECTION
ICU IMAGE PROCESSING SECTION
IMAGE DATA OUTPUT SECTION
41
43
MAIN MEMORY IMAGE DATA FOR STORAGE HARD DISK
IMAGE DATA COMMUNICATIONS I/F
46
43
HARD DISK
DATA LINE
COMMUNICATION CONTROL LINE
CONTROL SIGNAL

FIG. 5

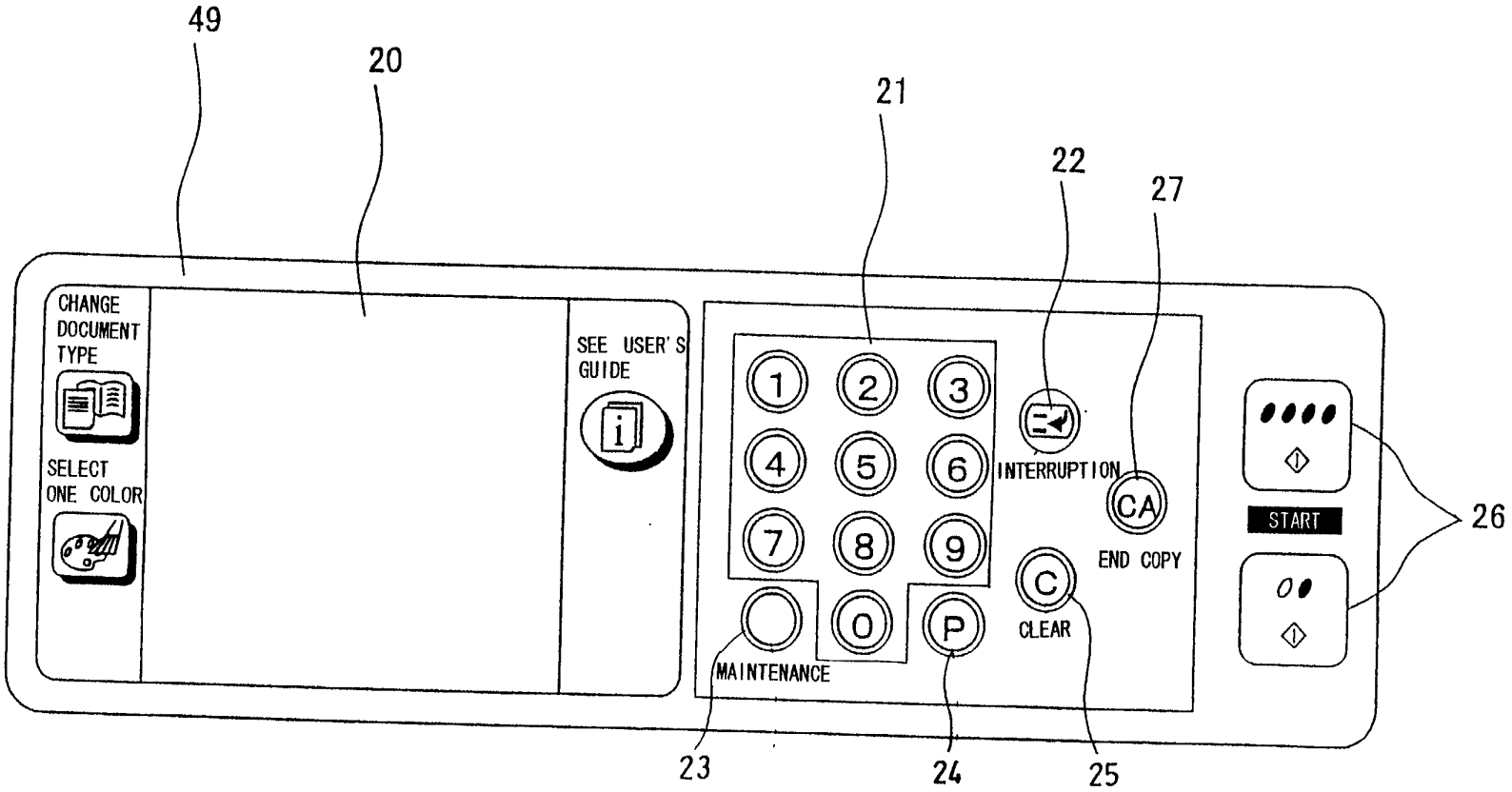
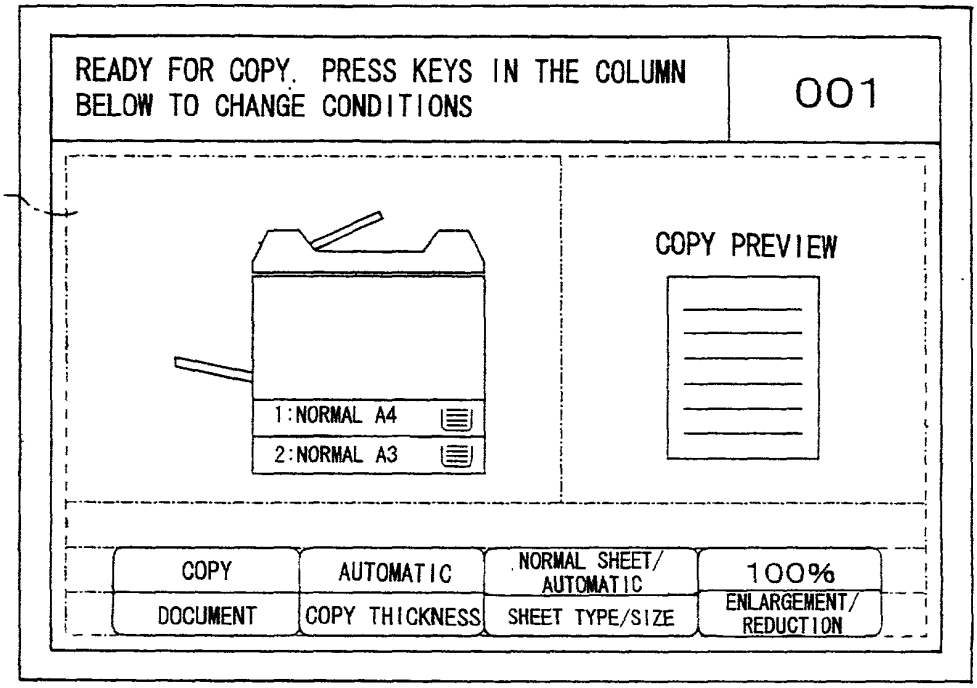
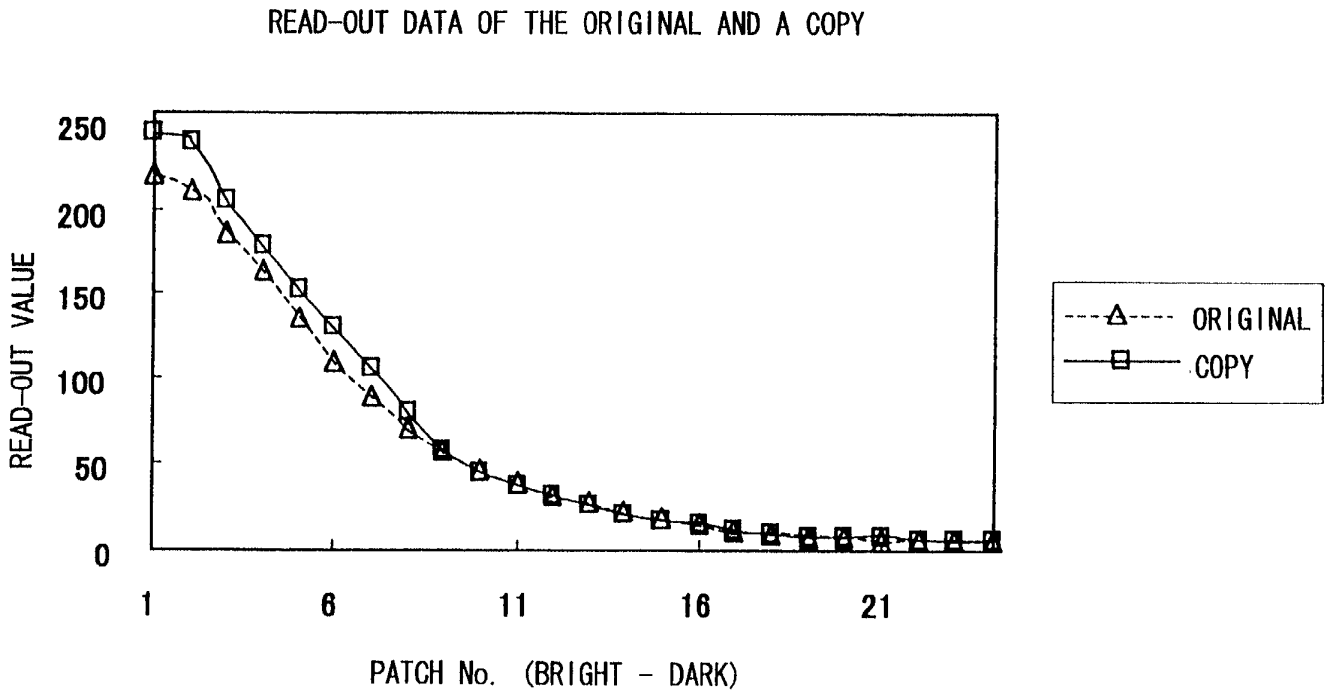

49
20
21
22
27
CHANGE DOCUMENT TYPE
SELECT ONE COLOR
SEE USER'S GUIDE
1
2
3
4
5
6
7
8
9
0
P
INTERRUPTION
CA
END COPY
C
CLEAR
MAINTENANCE
START
26
23
24
25

FIG. 6


READY FOR COPY. PRESS KEYS IN THE COLUMN BELOW TO CHANGE CONDITIONS
001
20
COPY PREVIEW
1:NORMAL A4
2:NORMAL A3
COPY
AUTOMATIC
NORMAL SHEET/ AUTOMATIC
100%
DOCUMENT
COPY THICKNESS
SHEET TYPE/SIZE
ENLARGEMENT/ REDUCTION

TOHKU BTSM9860

FIG. 7



Tom250 Strange

FIG. 8

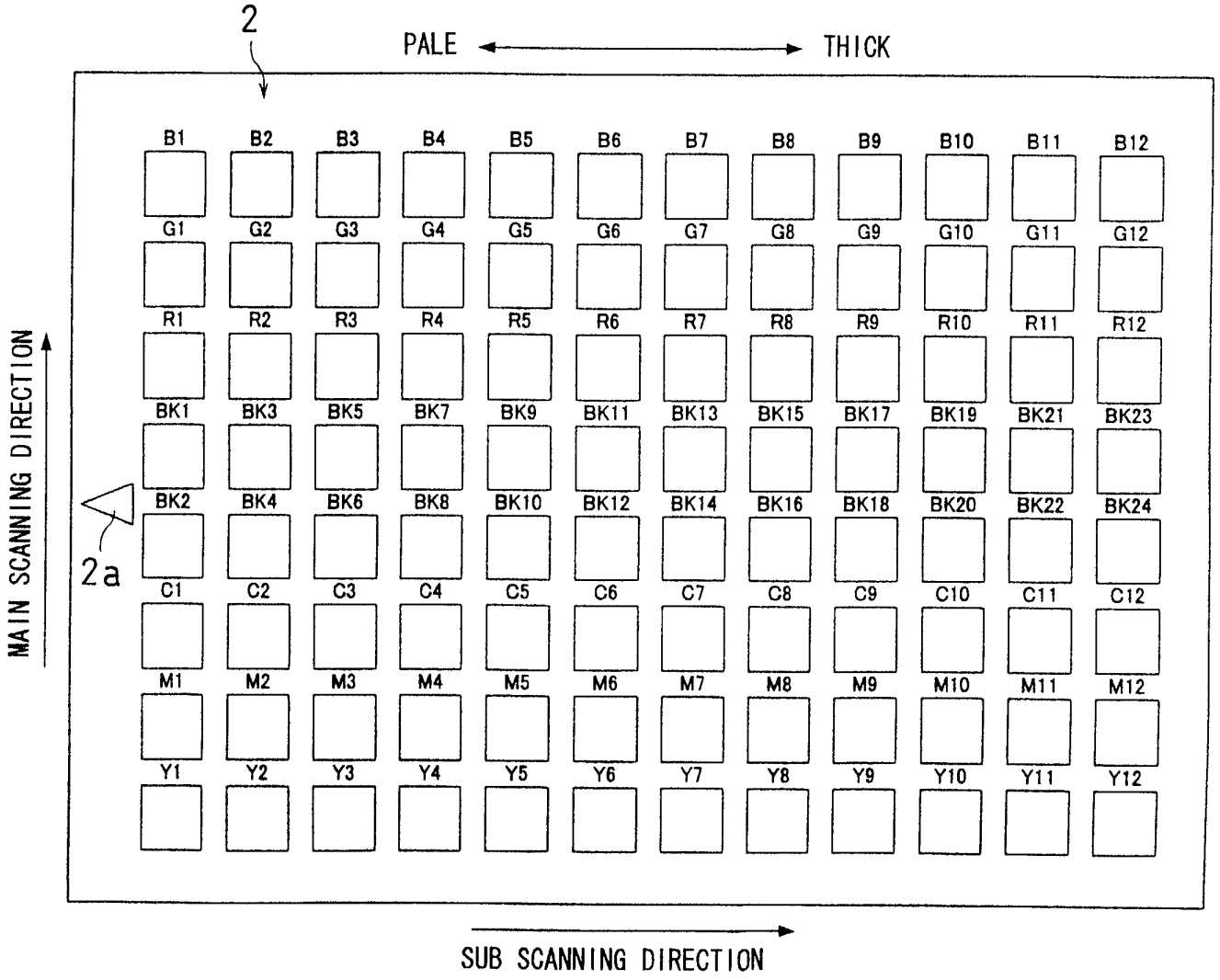
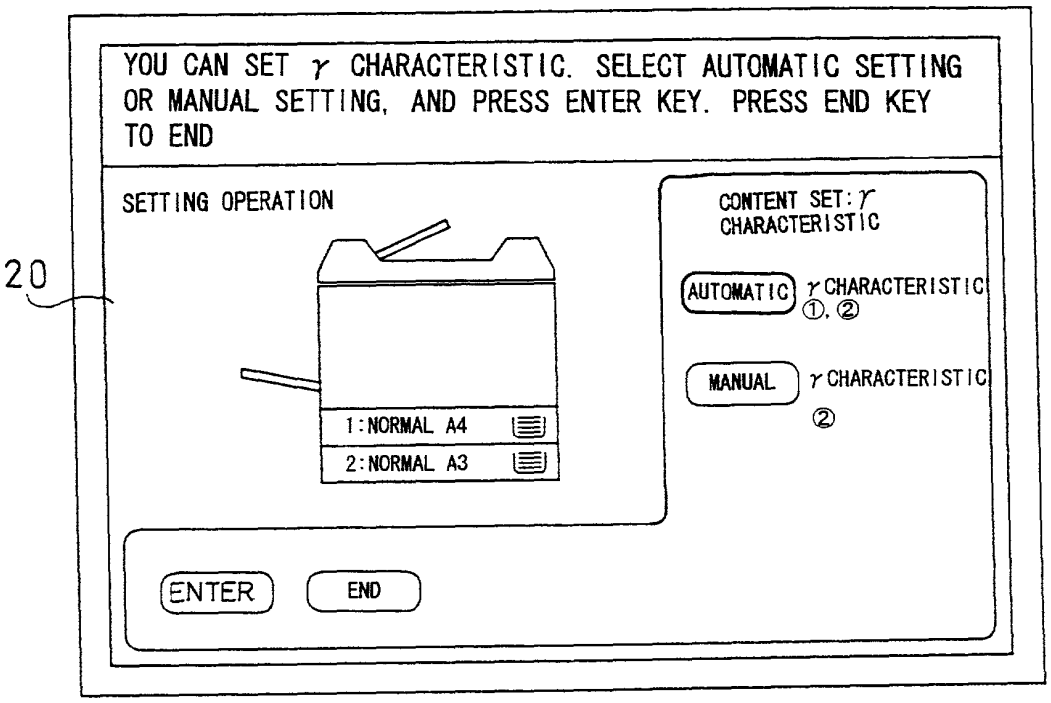


FIG. 9



09654896 - 052504

FIG. 10

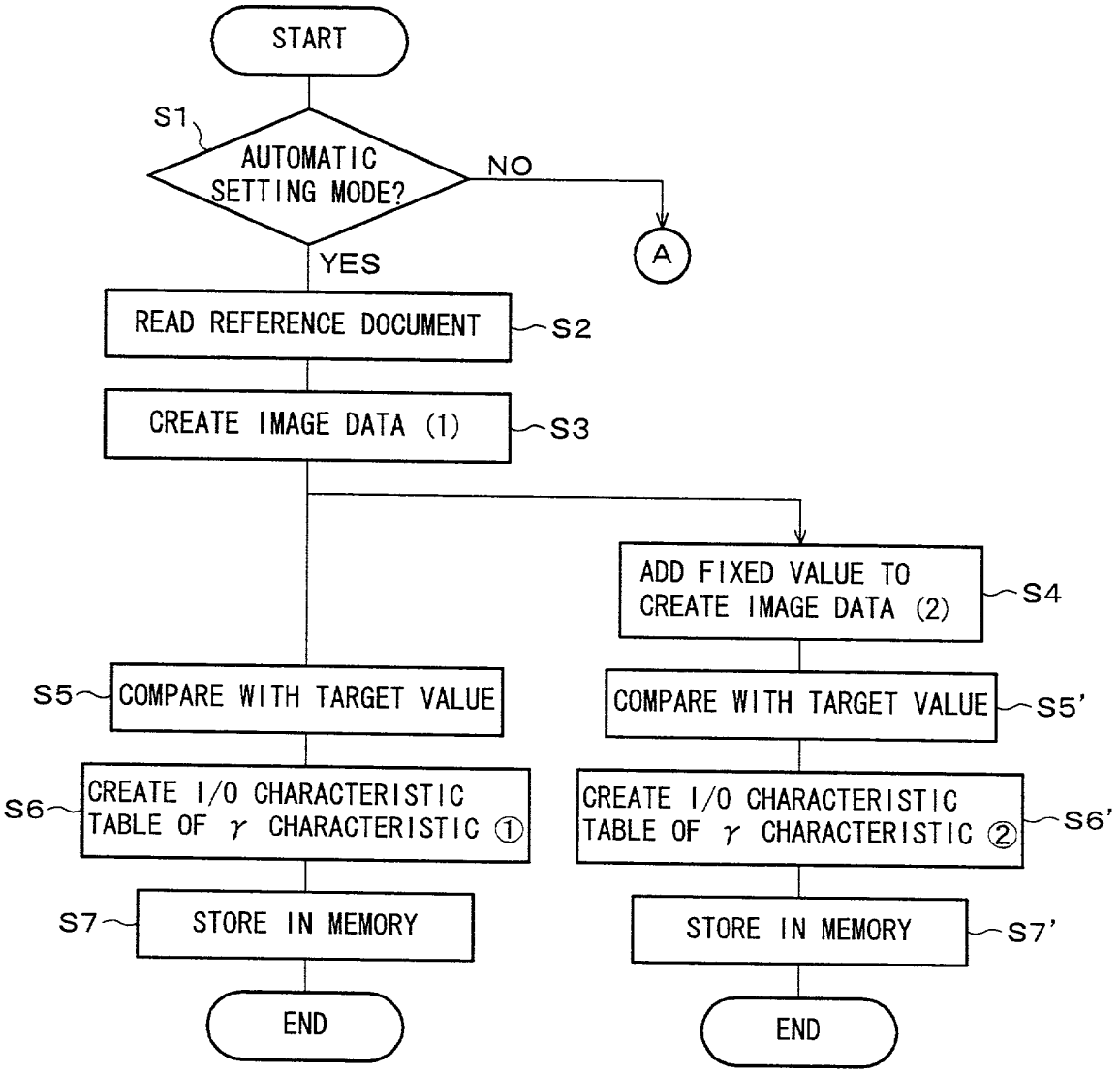

START
S1
AUTOMATIC SETTING MODE?
NO
A
YES
READ REFERENCE DOCUMENT
S2
CREATE IMAGE DATA (1)
S3
ADD FIXED VALUE TO CREATE IMAGE DATA (2)
S4
S5
COMPARE WITH TARGET VALUE
COMPARE WITH TARGET VALUE
S5'
S6
CREATE I/O CHARACTERISTIC TABLE OF γ CHARACTERISTIC ①
CREATE I/O CHARACTERISTIC TABLE OF γ CHARACTERISTIC ②
S6'
S7
STORE IN MEMORY
STORE IN MEMORY
S7'
END
END

FIG. 11

(R COMPONENT)

PATCH No.	READ VALUE RXi	FIXED VALUE RCi	PREDICTED VALUE RX'i	TARGET VALUE RRi
BK1	RX1	RC1	RX'1	RR1
BK2	RX2	RC2	RX'2	RR2
BK3	RX3	RC3	RX'3	RR3
BK4				
BK5				
BK6				
BK7				
BK8				
.				
.				
.				
BK20				
BK21				
BK22				
BK23				
BK24				

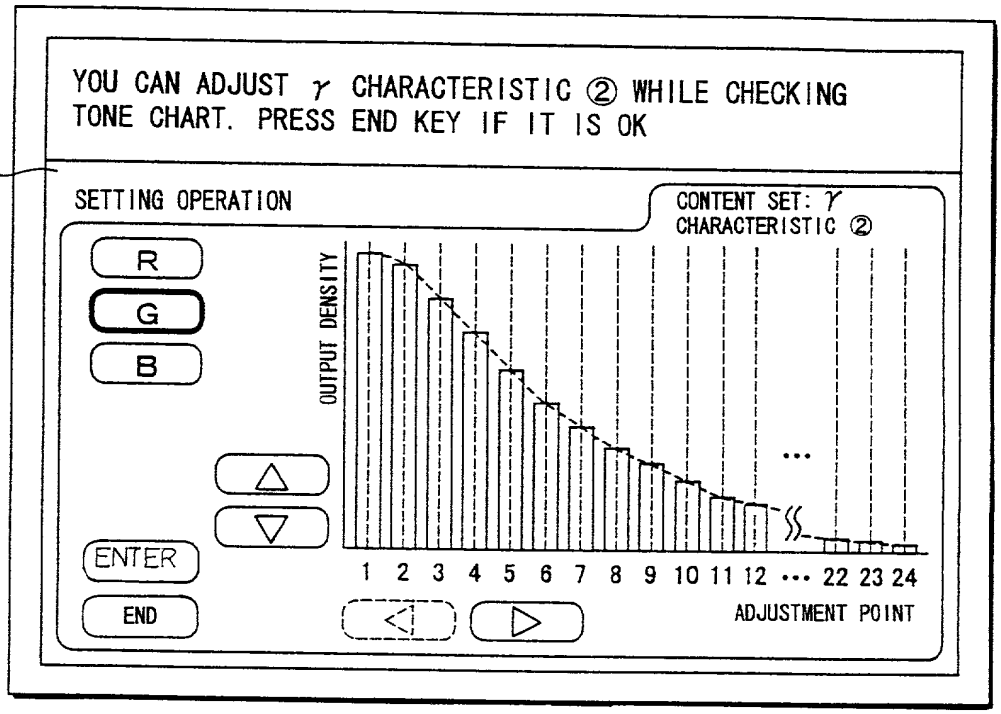
(G COMPONENT)

PATCH No.	READ VALUE GXi	FIXED VALUE GCi	PREDICTED VALUE GX'i	TARGET VALUE GRi
BK1	GX1	GC1	GX'1	GR1
BK2	GX2	GC2	GX'2	GR2
BK3	GX3	GC3	GX'3	GR3
BK4				
BK5				
BK6				
BK7				
BK8				
.				
.				
.				
BK20				
BK21				
BK22				
BK23				
BK24				

(B COMPONENT)

PATCH No.	READ VALUE BXi	FIXED VALUE BCi	PREDICTED VALUE BX'i	TARGET VALUE BRi
BK1	BX1	BC1	BX'1	BR1
BK2	BX2	BC2	BX'2	BR2
BK3	BX3	BC3	BX'3	BR3
BK4	BX4	BC4	BX'4	BR4
BK5	BX5	BC5	BX'5	BR5
BK6	BX6	BC6	BX'6	BR6
BK7	BX7	BC7	BX'7	BR7
BK8	BX8	BC8	BX'8	BR8
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
BK20	BX20	BC20	BX'20	BR20
BK21	BX21	BC21	BX'21	BR21
BK22	BX22	BC22	BX'22	BR22
BK23	BX23	BC23	BX'23	BR23
BK24	BX24	BC24	BX'24	BR24

FIG. 12


20
YOU CAN ADJUST γ CHARACTERISTIC ② WHILE CHECKING TONE CHART. PRESS END KEY IF IT IS OK
SETTING OPERATION
CONTENT SET: γ CHARACTERISTIC ②
R
G
B
OUTPUT DENSITY
ENTER
END
1 2 3 4 5 6 7 8 9 10 11 12 ••• 22 23 24
ADJUSTMENT POINT

TOH250 8TSH9860

FIG. 13

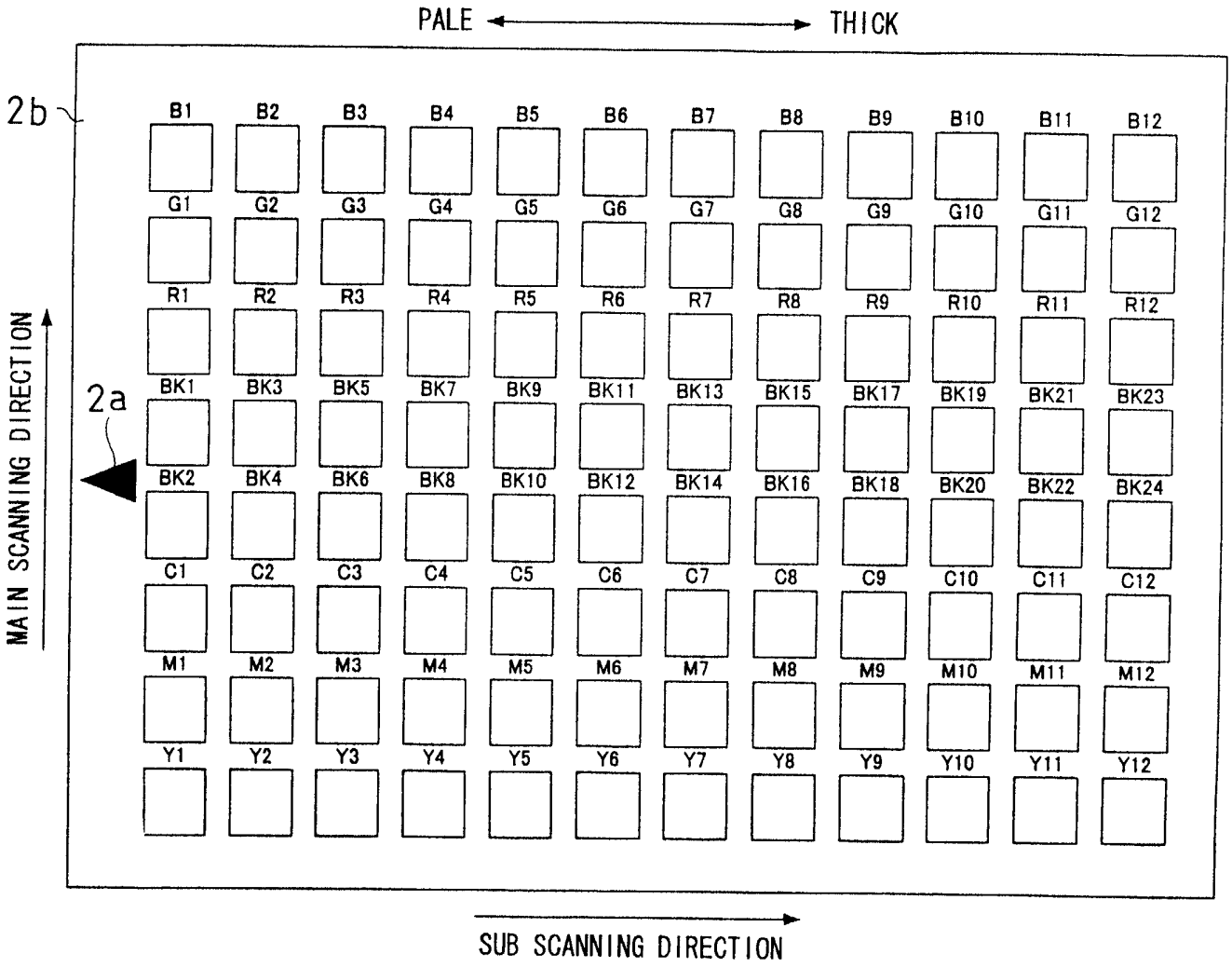
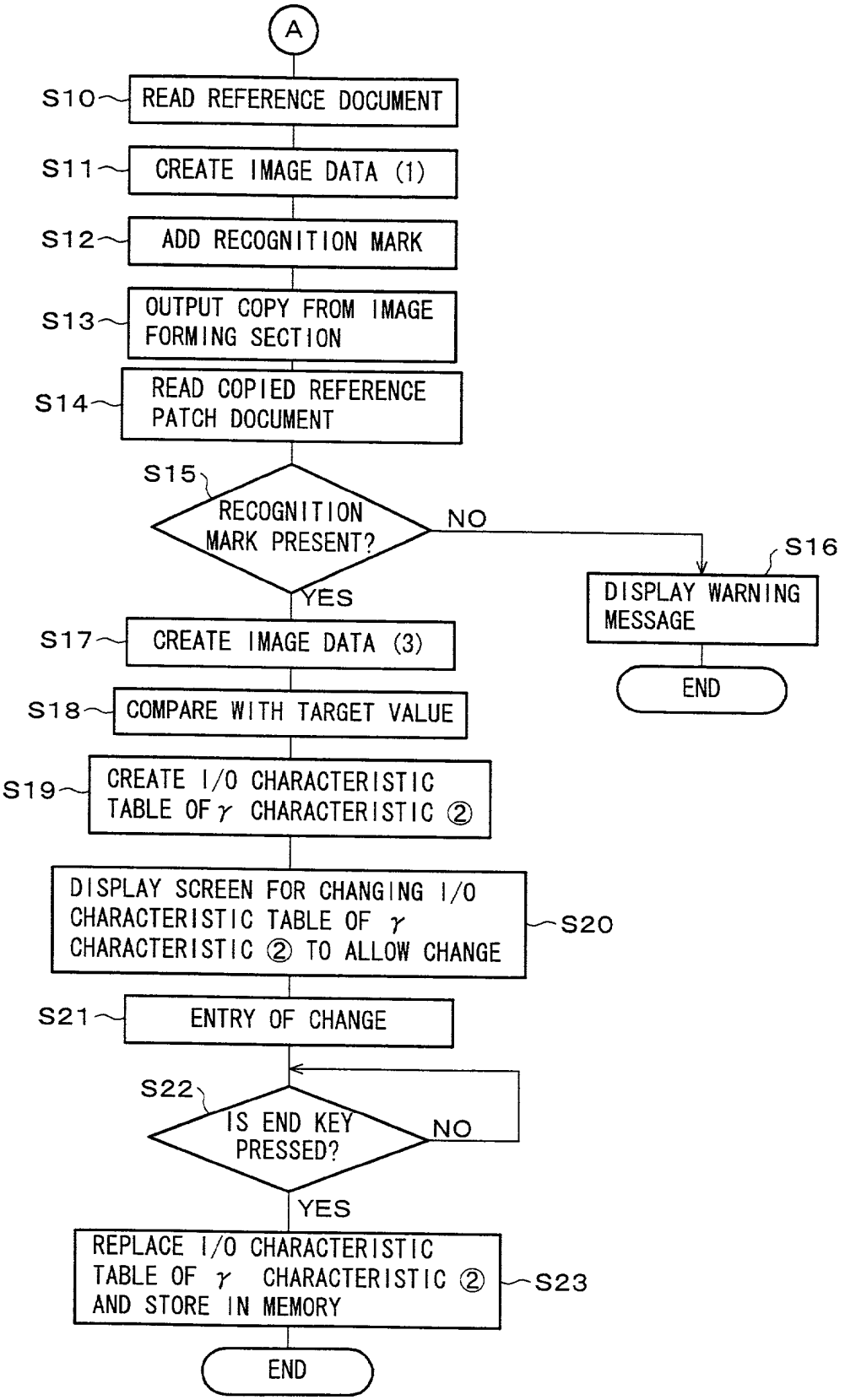


FIG. 14


A
S10
READ REFERENCE DOCUMENT
S11
CREATE IMAGE DATA (1)
S12
ADD RECOGNITION MARK
S13
OUTPUT COPY FROM IMAGE FORMING SECTION
S14
READ COPIED REFERENCE PATCH DOCUMENT
S15
RECOGNITION MARK PRESENT?
NO
S16
DISPLAY WARNING MESSAGE
END
YES
S17
CREATE IMAGE DATA (3)
S18
COMPARE WITH TARGET VALUE
S19
CREATE I/O CHARACTERISTIC TABLE OF γ CHARACTERISTIC ②
DISPLAY SCREEN FOR CHANGING I/O CHARACTERISTIC TABLE OF γ CHARACTERISTIC ② TO ALLOW CHANGE
S20
S21
ENTRY OF CHANGE
S22
IS END KEY PRESSED?
NO
YES
REPLACE I/O CHARACTERISTIC TABLE OF γ CHARACTERISTIC ② AND STORE IN MEMORY
S23
END